

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
☐ design
☐ supplemental

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items.

- ☐ national stage of PCT

NOTE: If one of the following 3 items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- ☐ divisional
☐ continuation
☒ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION
THERMAL CYCLER FOR AUTOMATIC PERFORMANCE OF THE POLYMERASE
CHAIN REACTION WITH CLOSE TEMPERATURE CONTROL

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☒ is attached hereto.
(b) ☐ was filed on _____ as ☐ Serial No. 0 / _____
or ☐ Express Mail No., as Serial No. not yet known _____
and was amended on _____ (if applicable).

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

(Declaration and Power of Attorney [1-1]—page 1 of 4)

- (c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).
☐ In compliance with this duty there is attached an information disclosure statement 37 CFR 1.97.

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d) ☒ no such applications have been filed.
(e) ☐ such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. claimed priority check item (e), enter the details below and make the priority claim.

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

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POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(List name and registration number)*

Edwin T. Grimes (Reg. No. 20,800)
Charles W. Bradley (Reg. No. 17,855)
William J. Hone (Reg. No. 26,739)
Richard P. Ferrara (Reg. No. 30,632)

(check the following item, if applicable)

- ☐ Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

William J. Hone
Davis Hoxie Faithfull & Hapgood
45 Rockefeller Plaza
New York, New York 10111

DIRECT TELEPHONE CALLS TO: *(Name and telephone number)*

(212) 757-2200

DECLARATION

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SIGNATURE(S)

Full name of sole or first inventor John Girdner Atwood
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence West Redding, CT
Post Office Address 145 Limekiln Road, West Redding, CT 06896

Full name of second joint inventor, if any Albert Carmelo Mossa
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Trumbull, CT
Post Office Address 15 Oxen Hill Road, Trumbull, CT. 06611

**CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION**

☒ Signature for third and subsequent joint inventors. *Number of pages added*
3

☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____

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☒ *Number of pages added* 1

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☐ Authorization of attorney(s) to accept and follow instructions from representative

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FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

Full name of third joint inventor, if any Lisa May Goven
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Bridgeport, CT
Post Office Address 535 Vincelette Street, Unit #8
Bridgeport, CT. 06606

Full name of fourth joint inventor, if any Fenton Williams
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Brookfield, CT
Post Office Address 72 Stony Hill Village, Brookfield, CT.
06804

Full name of fifth joint inventor, if any Timothy M. Woudenberg
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Bethel, CT.
Post Office Address 26 Whitlock Avenue, Bethel, CT. 06801

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
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sixth

Full name of ~~the~~ joint inventor, if any Marcel Margoulies

Inventor's signature _____

Date _____ Country of Citizenship U.S.

Residence Scarsdale, NY

Post Office Address 27 Farragut Road, Scarsdale, NY 10583

seventh

Full name of ~~the~~ joint inventor, if any Robert P. Ragusa

Inventor's signature _____

Date _____ Country of Citizenship U.S.

Residence Newton, CT

Post Office Address 3 Wiley Lane, Newton, CT. 06470

eighth

Full name of ~~the~~ joint inventor, if any Richard Leath

Inventor's signature _____

Date _____ Country of Citizenship U.S.

Residence Berkley, CA.

Post Office Address 1136 The Alameda, Berkley, CA. 94707

(Added Page to Combined Declaration and Power of Attorney for Signature by Third and
Subsequent Inventors [1-2])

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

ninth
Full name of ~~third~~ joint inventor, if any Clive Miles
Inventor's signature C. Miles
Date 4/16/92 Country of Citizenship U. S.
Residence San Raphael, CA.
Post Office Address 89 Blackstone Drive, San Raphael, CA.
94903

Full name of fourth joint inventor, if any _____
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence _____
Post Office Address _____

Full name of fifth joint inventor, if any _____
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence _____
Post Office Address _____

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION**

(complete this part only if this is a divisional, continuation or CIP application)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose ~~data~~ ^{information} ~~as defined in Title 37, Code of Federal Regulations, § 1.56(a) which~~ ^{became} ~~available~~ ^{known} between the filing date of the prior application(s) and the national or PCT international filing date of this application.

***to the Office all information known to me to be material to patentability**

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:					
U.S. APPLICATIONS			Status (Check one)		
U.S. APPLICATIONS	U.S. FILING DATE		Patented	Pending	Abandoned
1.0 / 620,606	11/29/90			<input checked="" type="checkbox"/>	
2.0 / 670,545	3/14/91			<input checked="" type="checkbox"/>	
3.0 /					
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLI- CATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)			
4. _____					
5. _____					
6. _____					

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the specification of which: (complete (a), (b) or (c))

- (a) ☐ is attached hereto.
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or ☐ Express Mail No., as Serial No. not yet known _____
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(Declaration and Power of Attorney [1-1]—page 1 of 4)

(c) ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____ (if any).

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(complete (d) or (e))

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COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*List name and registration number*)

Edwin T. Grimes (Reg. No. 20,800)
Charles W. Bradley (Reg. No. 17,855)
William J. Hone (Reg. No. 26,739)
Richard P. Ferrara (Reg. No. 30,632)

(*check the following item, if applicable*)

- ☐ Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

William J. Hone
Davis Hoxie Faithfull & Hapgood
45 Rockefeller Plaza
New York, New York 10111

DIRECT TELEPHONE CALLS TO:


(*Name and telephone number*)


(212) 757-2200

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

Full name of sole or first inventor John Girdner Atwood
Inventor's signature 
Date 5/8/92 Country of Citizenship U.S.
Residence West Redding, CT
Post Office Address 145 Limekiln Road, West Redding, CT 06896

Full name of second joint inventor, if any Albert Carmelo Mossa
Inventor's signature 
Date 5/8/92 Country of Citizenship U.S.
Residence Trumbull, CT
Post Office Address 15 Oxen Hill Road, Trumbull, CT. 06611

**CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION**

☒ Signature for third and subsequent joint inventors. *Number of pages added*
3

☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added* _____

☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* _____

• • •

☒ Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.

☒ Number of pages added 1

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**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

Full name of third joint inventor, if any Lisa May Goven
Inventor's signature Lisa May Goven
Date 5/8/92 Country of Citizenship U.S.
Residence Bridgeport, CT
Post Office Address 535 Vincelette Street, Unit #8
Bridgeport, CT. 06606

Full name of fourth joint inventor, if any Fenton Williams
Inventor's signature Fenton Williams
Date 5/8/92 Country of Citizenship U.S.
Residence Brookfield, CT
Post Office Address 72 Stony Hill Village, Brookfield, CT.
06804

Full name of fifth joint inventor, if any Timothy M. Woudenberg
Inventor's signature Tim Woudenberg
Date 5/8/92 Country of Citizenship U.S.
Residence Bethel, CT.
Post Office Address 26 Whitlock Avenue, Bethel, CT. 06801

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

sixth
Full name of ~~third~~ joint inventor, if any Marcel Margoulies
Inventor's signature *Marcel Margoulies*
Date 5/8/92 Country of Citizenship U.S.
Residence Scarsdale, NY
Post Office Address 27 Farragut Road, Scarsdale, NY 10583

seventh
Full name of ~~fourth~~ joint inventor, if any Robert P. Ragusa
Inventor's signature *Robert P. Ragusa*
Date 5/8/92 Country of Citizenship U.S.
Residence Newton, CT.
Post Office Address 3 Wiley Lane, Newton, CT. 06470

eighth
Full name of ~~fifth~~ joint inventor, if any Richard Leath
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Berkley, CA.
Post Office Address 1136 The Alameda, Berkley, CA. 94707

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
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ninth
Full name of ~~third~~ joint inventor, if any Clive Mil s
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence San Raphael, CA.
Post Office Address 89 Blackstone Drive, San Raphael, CA.
94903

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Residence _____
Post Office Address _____

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CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

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***to the Office all information known to me to be material to patentability**

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:					
U.S. APPLICATIONS			Status (Check one)		
U.S. APPLICATIONS	U.S. FILING DATE		Patented	Pending	Abandoned
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2.0 / 670,545	3/14/91			X	
3.0 /					
PCT APPLICATIONS DESIGNATING THE U.S.					
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(Declaration and Power of Attorney [1-1]—page 1 of 4)

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William J. Hone
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45 Rockefeller Plaza
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Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Bethel, CT.
Post Office Address 26 Whitlock Avenue, Bethel, CT. 06801

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

sixth
Full name of ~~third~~ joint inventor, if any Marcel Margulies
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Scarsdale, NY
Post Office Address 27 Farragut Road, Scarsdale, NY 10583

seventh
Full name of ~~fourth~~ joint inventor, if any Robert P. Ragusa
Inventor's signature _____
Date _____ Country of Citizenship U.S.
Residence Newton, CT.
Post Office Address 3 Wiley Lane, Newton, CT. 06470

eighth
Full name of ~~fifth~~ joint inventor, if any Richard Leath
Inventor's signature Richard A. Leath
Date 5-4-92 Country of Citizenship U.S.
Residence Berkley, CA.
Post Office Address 1136 The Alameda, Berkley, CA. 94707

(Added Page to Combined Declaration and Power of Attorney for Signature by Third and
Subsequent Inventors [1-2])

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

ninth
Full name of ~~third~~ joint inventor, if any Clive Miles
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence San Raphael, CA.
Post Office Address 89 Blackstone Drive, San Raphael, CA.
94903

Full name of fourth joint inventor, if any _____
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence _____
Post Office Address _____

Full name of fifth joint inventor, if any _____
Inventor's signature _____
Date _____ Country of Citizenship _____
Residence _____
Post Office Address _____

(Added Page to Combined Declaration and Power of Attorney for Signature by Third and
Subsequent Inventors [1-2])

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION**

(complete this part only if this is a divisional, continuation or CIP application)

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose ~~material~~ ^{information} as defined in Title 37, Code of Federal Regulations, § 1.56(x) which ~~is~~ ^{became} available ~~between~~ ^{prior} between the filing date of the prior application(s) and the national or PCT international filing date of this application.

***to the Office all information known to me to be material to patentability**

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:					
U.S. APPLICATIONS			Status (Check one)		
U.S. APPLICATIONS	U.S. FILING DATE		Patented	Pending	Abandoned
1.0 / 620,606	11/29/90			X	
2.0 / 670,545	3/14/91			X	
3.0 /					
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLI- CATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)			
4. _____					
5. _____					
6. _____					